

ABSTRACT OF THE DISCLOSURE

Mechanisms for operating an industrial controller (S) equipped with a runtime system (RTS), in particular for production machines, which enable a user to wait in the program flow for any desired condition are provided, the program flow being immediately continued when the condition is satisfied and the program flow being stopped when the condition is not satisfied, until it is established that the condition has been satisfied, the priority of the checking for the condition being increased in comparison with the current task priority while waiting for the condition to be satisfied. When the condition has been satisfied, a defined program sequence is processed with high priority up to an explicit end, the old task priority being resumed after the explicit end of the program sequence.